

LU-35/45 Series



			LU-35				LU35-M				LU-45				LU-45M											
CAPACITY	ITEM	UNIT	25T X 600		25C X 850		25C X 1500		25C X 2000		25T X 850		25C X 850		25C X 1500		25C X 2000		25T X 850		25C X 850		25C X 1500		25C X 2000	
	Swing over bed	mm (in.)	740 (29.13)																							
	Swing over saddle	mm (in.)	480 (18.90)																							
	Distance between centers	mm (in.)	-		850 (33.46)		1,500 (59.06)		2,000 (78.74)		-		850 (33.46)		1,500 (59.06)		2,000 (78.74)		-		1,000 (39.37)		2,000 (78.74)		3,000 (118.11)	
	Max turning diameter	mm (in.)	560 (22.05)																							
TRAVELS	Max work length	mm (in.)	600 (23.62)		850 (33.46)		1,500 (59.06)		2,000 (78.74)		600 (23.62)		850 (33.46)		1,500 (59.06)		2,000 (78.74)		750 (29.53)		1,000 (39.37)		2,000 (78.74)		3,000 (118.11)	
	X axis	mm (in.)	UT: 380 (275 + 105) / LT: 250 (180 + 70)																							
	Z axis	mm (in.)	UT: 920 (36.22) / LT: 875 (34.45)				UT: 1,570 (61.81) / LT: 1,525 (60.04)				UT: 2,070 (81.49) / LT: 2,025 (79.72)				UT: 920 (36.22) / LT: 875 (34.45)				UT: 1,570 (61.81) / LT: 1,525 (60.04)				UT: 2,070 (81.49) / LT: 2,025 (79.72)			
	C axis	mm (in.)	360°																							
	Speed range	rpm	14 ~ 3,200 (12 ~ 2,800)																							
SPINDLE	No. of speeds & ranges		4 ranges (2 gear ranges X 2 VAC motor coil switched ranges)																							
	Spindle nose		JIS A2-8 [JIS A2-11]																							
	Spindle bore diameter	mm (in.)	90 (3.54) [110 (4.33)]																							
	Diameter at front bearing	mm (in.)	130 (5.12) [150 (5.91)]																							
	Type		UT: M-V12 / LT: VDI-V10																							
TURRET	No. of tool stations		Upper: 12 / Lower: 10																							
	Tool shank height	mm (in.)	25 X 25 (1 X 1)								25 X 25 (1 X 1) (VDI shank: ø50 (ø1.97))								32 X 32 (1.26 X 1.26)							
	Boring bar shank dia	mm (in.)	50 (1 - 1/2)								50 (1 -1/2) (VDI shank: ø50 (ø1.97))								63 (2.48)							
	Indexing Time	s	0.3/ index (non-IRI)																							
	Spindle Speed Range	mm/min (ipm)	40 ~ 2,000																							
LIVE TOOLS			-																							
FEED RATES	Rapid traverse	mm/min (ipm)	X: 15,000 (591) / Z: 20,000 (787)																							
	Cutting federate	mm/rev (ipr)	X, Z: .001 ~ 1,000,000 (.0001 ~ 40,000)																							
TAILSTOCK	Quill diameter	mm (in.)	-		120 (4.72)						-		120 (4.72)						-		130 (5.12)					
	Quill bore taper		-		MT 5 (built-in)						-		MT 5 (built-in)						-		MT 5 (built-in)					
	Quil travel	mm (in.)	-		170 (6.69)						-		170 (6.69)						-		170 (6.69)					
	Spindle (30 min/cont)	KW (hp)	-																							
MOTORS	Live tool (30 min/cont)	KW (hp)	XA: BL 3.6 (4.8); ZA: BL 4.8 (6.4) / XB: BL 2.5 (3.3) / ZB: BL 4.8 (6.4)																							
	Feed drives	KW (hp)	0.4 (0.7)																							
	Coolant pump	KW (hp)	2,590 (101.97)																							
			0.4 (0.7)																							
POWER		KVA	43, 53*																							
SIZE	Height	mm (in.)	2,590 (101.97)																							
	Floor space	mm (in.)	4,535 X 2,570 (179 X 101)																							
	Weight (w/ CNC system)	kg (lb)	9,000 (19,800)		9,500 (20,900)		14,000 (30,800)		17,000 (37,400)		9,600 (21,120)		10,100 (22,220)		14,600 (32,120)		17,600 (38,700)		16,000 (35,200)		17,000 (37,400)		20,700 (45,540)		23,000 (45,540)	
CNC	Okuma		OSP-P200LA																							